## California Weather-Hydro Conditions during November 2006

On December 1, Water Year 2007 (October 1, 2006 through November 30, 2006) statewide hydrologic conditions were as follows: precipitation, 60% of average to date; runoff, 65% of average to date; and reservoir storage, 120% for the date. During November, the Northern Sierra 8-Station Index had 5.6" of precipitation, which was 89% of average for the month, 66% of the seasonal average to date on November 30, and 12% of average Water Year (50.0").

| Selected Cities Precipitation Accumulation as of 11/30/2006 (National Weather Service Water Year: July through June) | | | | | |
|---|---|---|---|---|---|
| | Jul 1 to Date 2006 - 2007 (in inches) | % Avg | Jul 1 to Date 2005 - 2006 (in inches) | % Avg | % Avg Jul 1 to Jun 30 2006 - 2007 |
| Eureka | 8.12 | 85 | 10.37 | 109 | 21 |
| Redding | 4.14 | 59 | 4.84 | 70 | 12 |
| Sacramento | 1.24 | 31 | 1.15 | 28 | 6 |
| San Jose | 1.79 | 60 | 0.56 | 19 | 11 |
| Fresno | 0.31 | 15 | 0.26 | 13 | 2 |
| Bakersfield | 0.31 | 28 | 0.48 | 43 | 4 |
| Los Angeles | 0.50 | 27 | 1.86 | 99 | 3 |
| San Diego | 0.96 | 52 | 0.69 | 38 | 8 |

| Key Reservoir Storage (1,000 AF) as of 11/30/2006 midnight | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Reservoir | River | Storage | Avg Storage | % Average | Capacity | % Capacity | Flood Control Encroachment | Total Space Available |
| Trinity Lake | Trinity | 1,749 | 1,614 | 108 | 2,448 | 71 | --- | 699 |
| Shasta Lake | Sacramento | 3,127 | 2,777 | 113 | 4,552 | 69 | -125 | 1,425 |
| Lake Oroville | Feather | 2,680 | 2,192 | 122 | 3,538 | 76 | -483 | 858 |
| New Bullards Bar Res | Yuba | 655 | 523 | 125 | 966 | 68 | -141 | 311 |
| Folsom Lake | American | 488 | 467 | 104 | 977 | 50 | -89 | 489 |
| New Melones Res | Stanislaus | 1,994 | 1,318 | 151 | 2,420 | 82 | 24 | 426 |
| Don Pedro Res | Tuolumne | 1,598 | 1,311 | 122 | 2,030 | 79 | -92 | 432 |
| Lake McClure | Merced | 645 | 450 | 143 | 1,025 | 63 | -30 | 380 |
| Millerton Lake | San Joaquin | 253 | 218 | 116 | 520 | 49 | -183 | 267 |
| Pine Flat Res | Kings | 435 | 376 | 116 | 1,000 | 43 | -184 | 565 |
| Isabella | Kern | 226 | 150 | 150 | 568 | 40 | 56 | 342 |
| San Luis Res | (Offstream) | 1,651 | 1,247 | 132 | 2,039 | 81 | --- | 388 |

The latest National Weather Service, Climate Prediction Center (CPC) long-range weather forecast maps for December, issued November 30, suggest average precipitation for Northern and Central California. The CPC expects above average precipitation for Southern California, as well as the American Southwest. The CPC forecasts average temperatures for all of California.

On November 16, the CPC released its Final Winter Outlook (December, January, and February seasonal forecast) for the United States. This outlook continues to forecast temperatures to be warmer than the 30-year norm (1971-2000) over much of the nation, yet cooler than last year's very warm winter season. The CPC expects that parts of Northern California are to have above average temperatures, and the rest of the State is to have average temperatures. The precipitation outlook calls for wetter than average conditions for central and southern California, and for the American Southwest. The outlook calls for Northern California to have average precipitation.

The pattern of the Winter Outlook is influenced by the continuing development of El Niño conditions (warmer than average sea-surface temperatures) across the tropical Pacific. Current conditions suggest that El Niño conditions may continue into the spring of 2007. El Niño events influence the position and strength of the jet stream over the Pacific Ocean, which in turn affects the winter precipitation and temperature patterns across the United States and other locations in the world.